

Product datasheet for **SC123570**

APOBEC4 (BC021711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOBEC4 (BC021711) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOBEC4
Synonyms:	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative); C1orf169; MGC26594; OTTHUMP00000033512; OTTHUMP00000060680; putative C->U-editing enzyme APOBEC-4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC021711 edited

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AGTGTCTTAGAGGTAGCCACACCTCAGCAAGGCTTTCTAACTTGAACAGCAAAGTTC
AAATGAACGAATAGACACAACTGTGAAAGAGTCTGAACCCATTACAAGGTGAATCTTT
ACAGCACAAATGCCTTCTGAAGCTACTTGAAACAGGGCATGGGACTTAAAGGAGAAAAA
AAGGAAATGGACCATCTCTTCTAACACCTGGAATGTGATCCAAGCCTGGAGACAAATTGA
TGGTTTGCAGCTAGAAGACAGTAAATCTAGCAATGGAGCCCATATATGAGGAGTACCTAG
CAATCATGGAACAATAGTAAAACCATATTACTGGCTAAGCTTCTCTCGATTGCTCTA
ATTGTCCTTACCATATTGCAACAGGTGAAGAAGCAAGAGTTTCCCTCACAGAAATTTGTC
AGATTTTTGGATTCCCTTATGGGACAACATTTCTCAAACAAAACACCTCACATTTTATG
AACTAAAACTTCTTCTGGTAGCCTGGTGCAAAAGGGCCATGCTAGCAGTTGCACTGGGA
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ACAATAATGACAGCATCAGGCATATCATTCTGTATTCCAACAACCTCCCCTTGAATGAAG
CTAACCCTGCTGCATCAGCAAAATGTATAATTTCTGATTACGTATCCAGGCATCACTC
TTAGTATTTATTTTCTCAGCTCTATCATACTGAGATGGACTTTCTGCCTCAGCATGGA
ACCGCGAAGCTCTCCGGAGCCTGGCCAGCTTATGGCCGCGGGTTGTTTTGAGTCCAATAA
GTGGTGGGATCTGGCATTCTGTTCTCCACAGCTTATAAGTGGTGTCTCAGGATCACATG
TTTTTCAGCCCATTTTAACTGGGAGAGCACTGGCTGACAGGCACAACGCATATGAAATCA
ATGCCATAACAGGCGTAAAACCTTACTTCACTGATGTTCTTCTCCAGACAAAAGGAATC
CAAACACAAAAGCTCAGGAGGCTTTAGAGAGCTACCCCTTAAACAATGCCTTTCTGGAC
AGTTTTTTCAAATGCCGAGTGGACAACCTCAACCAACCTACCTCCAGACCTCAGGGCTC
CTGTTGTTTTGTGCTAGTGCCTCTCAGGACTTACCACCAATGCATATGGGCCAAAACC
CAAATAAACCCAGGAATATCGTAAGGCACTTAAATATGCCTCAAATGTCATTCCAGGAAA
CCAAGGACCTTGAAGGCTTCCCACTGGAAGGTGAGTGGAGATAGTGGAAATCACAGAAC
AGTTTGCAGTAGCAAGGAGGCAGATGAAAAGAAGAAGAAAGGAAGAAATAAAATC
TACATTCTACAGCATGAAACCAATTACCAAGGGACTTATTAGTAGGCAATAAAATCT
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CCTTGAATTATTTACCATATCAACTATTATAAAGTTACACTATTTTAAACATAATCCAAA
ATGTTTCCATAAGCAACTGATCTCTCTCTTTATTTTGAAGTGGCAGTATCAAATGG
AACCATTAGCAGCTTGTAAATTTTGTGTCAGAAAAGGAATCTCATTATTCTATTTTAC
TCACATCATCTTTCCACTACAAAAGCCCATGGACAAAATAGCTACCTAAATTTGTTTCGG
TAAAAAATTTACTGTAAATTGAAAAACAGCCTGAAGCTACTGACATTAAGTGCTGTTTG
CAGGAGCAAAACAGTGATTTTCTAATTAATTGTTAATCATGGACAGAAGATTTTAGGCAGC
TCATTTTTTTCTAAAGTGATTCAAATAGTTTTGTGTGGGAAAAAGCTCTTCTGTGATT
ACATATAGCTATAAAGATTAAAACCTAGCCACCTGCTCAGTTTGATCTTCCCAGCTCAG
ACCTCTCCCTTCTGAGCAGATGATAGAGGTAAGATGATACATGAGAACCTCCAATGGCTC
CTGTATCATCACTGTATAAAATCCAAGTTCCTCTTACTGGCTTTCAAGGATCTCTCTT
TAACCTCTGTTGCCTTGTCTCATCAGCAAGATCATAAGTACCTACAGGTCAAGCACTGT
CTCTCCCTTCTCTTGTCTTTCCCTTAGGATCTAGCACATTACCCAGCAAAATGTGAGT
AGCAAGGCTGAAATGACATCTCAATAACTTCACCAATGATTGTAACCTCAGCATCCCTTCT
CCATCCCAGCTGAAAGCCTGCTTCACCATCCTGCAAGAGATGTTTTTCTTTTGTGTAGC
ATCCATTTCCCTTTCTAATGCAGCTCCCAATGCATAATGTGTGTTTTACTTCCCTCTTTC
TGACTCCATCCTCGTCACCAAGTGAATATTTGTACCTTCTCTTAAATCTTCAAAACACAC
TTCTAGGAAGTGCTCCTTGATTAATCCTCTAAGCACTTAAATGAAAGCACTTTGCTTATG
CTTATTTACATTTGCTGCCACTTGCTCTTTGAAATATGTAAAGATACATTACAAGAAA
AATGTACATTTTCTCGTAACTTGCTATTAATTTTTTCTTTATATATATATAAAGTAA
TCCTAAGCCAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC021711 unedited <pre> GTCAAAATTGTATACGACTCATATAGGCGGCCGCATAACTTCGTATAGCATACATTATAC GAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGTGTCTTA GAGGTAGCCACACCTCAGCAAGGGCTTTCTAACTTGAACAGCAAAGTTCAAATGAACGA ATAGACACAACTGTGAAAGAGTCCTGAACCCATTACAAGGTGAATCTTTACAGCACAAT TGCCTTCTGAAGCTACTTGAAACAGGGCATGGGACTTAAAGGAGAAAAAAGGAAATGG ACCATCTCTTCTAACACCTGGAATGTGATCCAAGCCTGGAGACAAATTGATGGTTTGCAG CTAGAAGACAGTAAATCTAGCAATGGAGCCCATATATGAGGAGTACCTAGCAAATCATGG AACAAATAGTAAAACCATATTACTGGCTAAGCTTCTCTCTCGATTGCTCTAATTGCCTTA CCATATTCGAACAGGTGAAGAAGCAAGAGTTTCCCTCACAGAATTTTGTGAGATTTTGG ATTCCCTTATGGGACAACATTTCTCNAACAAACACCTCACATTTTATGAACTANNACT TCTTCTGGTAGCCTGGTCAAAGGGCCATGCTAGCAGTTGCACTGGGGATTATATCCATC CAGAAATCAATGCTCTTTGAAATGAATGGTNTATCTGACTCAGCCCTATACCCATATGACA GCATCAGGCATATCATTCTGTATTTCCAACACTNCCCTTGGTATGAAGCTAACCACTGCT GCATCAGCAAAATGATAAATCCCTGATTACGTATCCAGGCATCACTCTTAGTAATTTATT TTCCCCAGCTTCTATCATACTGGAATGGACTTNCCTGGCTNAGCATGGAACGCGGAAG CTTTGGGAGCCTGGCAGCTTATGGCCCGGGTGGTTTGAGTCCATT </pre>
Restriction Sites:	Please inquire
ACCN:	BC021711
Insert Size:	2670 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC021711.2 , AAH21711.1
RefSeq Size:	2665 bp
Locus ID:	403314
Cytogenetics:	1q25.3
Gene Summary:	This gene encodes a member of the AID/APOBEC family of polynucleotide (deoxy)cytidine deaminases, which convert cytidine to uridine. Other AID/APOBEC family members are involved in mRNA editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral infection. [provided by RefSeq, Jul 2008]